

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/854,280

DATE: 07/17/2001

TIME: 09:07:57

Input Set : A:\P1381R1C2_Sequence_Listing.wpd

Output Set: N:\CRF3\07172001\I854280.raw

ENTERED

3 <110> APPLICANT: Chen, Jian
4 Filvaroff, Ellen
5 Goddard, Audrey
6 Gurney, Austin
7 Li, Hanzhong
8 Wood, William I.
10 <120> TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
12 <130> FILE REFERENCE: P1381R1C2
14 <140> CURRENT APPLICATION NUMBER: US 09/854,280
15 <141> CURRENT FILING DATE: 2001-05-10
17 <150> PRIOR APPLICATION NUMBER: US 09/311,832
18 <151> PRIOR FILING DATE: 1999-05-14
20 <150> PRIOR APPLICATION NUMBER: US 60/085,579
21 <151> PRIOR FILING DATE: 1998-05-15
23 <150> PRIOR APPLICATION NUMBER: US 60/113,621
24 <151> PRIOR FILING DATE: 1998-12-23
26 <160> NUMBER OF SEQ ID NOS: 26
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 180
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo sapiens
33 <400> SEQUENCE: 1
34 Met Asp Trp Pro His Asn Leu Leu Phe Leu Leu Thr Ile Ser Ile
35 1 5 10 15
37 Phe Leu Gly Leu Gly Gln Pro Arg Ser Pro Lys Ser Lys Arg Lys
38 20 25 30
40 Gly Gln Gly Arg Pro Gly Pro Leu Ala Pro Gly Pro His Gln Val
41 35 40 45
43 Pro Leu Asp Leu Val Ser Arg Met Lys Pro Tyr Ala Arg Met Glu
44 50 55 60
46 Glu Tyr Glu Arg Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn
47 65 70 75
49 Ser Ser Glu Leu Ala Gln Arg Lys Cys Glu Val Asn Leu Gln Leu
50 80 85 90
52 Trp Met Ser Asn Lys Arg Ser Leu Ser Pro Trp Gly Tyr Ser Ile
53 95 100 105
55 Asn His Asp Pro Ser Arg Ile Pro Val Asp Leu Pro Glu Ala Arg
56 110 115 120
58 Cys Leu Cys Leu Gly Cys Val Asn Pro Phe Thr Met Gln Glu Asp
59 125 130 135
61 Arg Ser Met Val Ser Val Pro Val Phe Ser Gln Val Pro Val Arg
62 140 145 150
64 Arg Arg Leu Cys Pro Pro Pro Pro Arg Thr Gly Pro Cys Arg Gln
65 155 160 165
67 Arg Ala Val Met Glu Thr Ile Ala Val Gly Cys Thr Cys Ile Phe
68 170 175 180
70 <210> SEQ ID NO: 2

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71 <211> LENGTH: 687

72 <212> TYPE: DNA

73 <213> ORGANISM: Homo sapiens

75 <400> SEQUENCE: 2

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76 aggcgggcag cagctgcagg' ctgaccttgc agcttggcgg aatggactgg 50
78 cctcacaacc tgctgtttct tcttaccatt tccatcttcc tggggctggg 100
80 ccagcccagg agcccaaaaa gcaagaggaa ggggcaaggg cggcctgggc 150
82 ccctggcccc tggccctcac caggtgccac tggacctggg gtcacggatg 200
84 aaaccgtatg cccgcatgga ggagtatgag aggaacatcg aggagatggg 250
86 ggcccagctg aggaacagct cagagctggc ccagagaaag tgtgagggtca 300
88 acttgacagct gtggatgtcc aacaagagga gcctgtctcc ctggggctac 350
90 agcatcaacc acgacccag cegtatcccc gtggacctgc cggaggcacg 400
92 gtgcctgtgt ctgggctgtg tgaacccctt caccatgcag gaggaccgca 450
94 gcatggtgag cgtgccgggtg ttcagccagg ttctgtgctg ccgcgcctc 500
96 tgcccgccac cgccccgcac agggccttgc cgccagcgcg cagtcattga 550
98 gaccatcgct gtgggctgca cctgcattct ctgaatcacc tggcccagaa 600
100 gccaggccag cagcccgaga ccactctctt tgcacctttg tgccaagaaa 650
102 ggctatgaa aagtaaacac tgacttttga aagcaag 687

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104 <210> SEQ ID NO: 3

105 <211> LENGTH: 197

106 <212> TYPE: PRT

107 <213> ORGANISM: Homo sapiens

109 <400> SEQUENCE: 3

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110 Met Thr Leu Leu Pro Gly Leu Leu Phe Leu Thr Trp Leu His Thr
111 1 5 10 15
113 Cys Leu Ala His His Asp Pro Ser Leu Arg Gly His Pro His Ser
114 20 25 30
116 His Gly Thr Pro His Cys Tyr Ser Ala Glu Glu Leu Pro Leu Gly
117 35 40 45
119 Gln Ala Pro Pro His Leu Leu Ala Arg Gly Ala Lys Trp Gly Gln
120 50 55 60
122 Ala Leu Pro Val Ala Leu Val Ser Ser Leu Glu Ala Ala Ser His
123 65 70 75
125 Arg Gly Arg His Glu Arg Pro Ser Ala Thr Thr Gln Cys Pro Val
126 80 85 90
128 Leu Arg Pro Glu Glu Val Leu Glu Ala Asp Thr His Gln Arg Ser
129 95 100 105
131 Ile Ser Pro Trp Arg Tyr Arg Val Asp Thr Asp Glu Asp Arg Tyr
132 110 115 120
134 Pro Gln Lys Leu Ala Phe Ala Glu Cys Leu Cys Arg Gly Cys Ile
135 125 130 135
137 Asp Ala Arg Thr Gly Arg Glu Thr Ala Ala Leu Asn Ser Val Arg
138 140 145 150
140 Leu Leu Gln Ser Leu Leu Val Leu Arg Arg Arg Pro Cys Ser Arg
141 155 160 165
143 Asp Gly Ser Gly Leu Pro Thr Pro Gly Ala Phe Ala Phe His Thr
144 170 175 180
146 Glu Phe Ile His Val Pro Val Gly Cys Thr Cys Val Leu Pro Arg
147 185 190 195

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Input Set : A:\P1381R1C2_Sequence_Listing.wpd
Output Set: N:\CRF3\07172001\I854280.raw

149 Ser Val
152 <210> SEQ ID NO: 4
153 <211> LENGTH: 1047
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 4
158 gccaggtgtg caggccgctc caagcccagc ctgccccgct gccgccacca 50
160 tgacgtctct ccccgccctc ctgtttctga cctggctgca cacatgcctg 100
162 gccaccatg acccctccct cagggggcac cccacagtc acggtacccc 150
164 acactgctac tcggtgtagg aactgccctt cggccaggcc cccccacacc 200
166 tgctggctcg aggtgccaaag tgggggcagg ctttgctgt agccctggtg 250
168 tccagcctgg aggcagcaag ccacaggggg aggcacgaga ggccctcagc 300
170 tacgacccag tgcccgggtg tgcgggcggg ggaggtgttg gaggcagaca 350
172 cccaccagcg ctccatctca ccctggagat accgtgtgga caggatgag 400
174 gaccgctatc cacagaagct ggccttcgcc gagtgcctgt gcagaggctg 450
176 tatcgatgca cggacggggc gcgagacagc tgcgtcaac tccgtgcggc 500
178 tgctccagag cctgctggtg ctgcgccgcc ggccctgctc ccgcgacggc 550
180 tcgggggtcc ccacacctg ggcctttgcc ttccacacc agttcatcca 600
182 cgtccccgtc ggctgcacct gcgtgctgcc ccgttcagtg tgaccgccga 650
184 ggccgtgggg cccctagact ggacacgtgt gctccccaga gggcaccccc 700
186 tatttatgtg tatttattgt tatttatatg cctcccccaa cactaccctt 750
188 ggggtctggg cattccccgt gtctggagga cagcccccca ctgttctct 800
190 catctccagc ctcagtagtt gggggtagaa ggagctcagc acctcttcca 850
192 gcccttaaag ctgcagaaaa ggtgtcacac ggctgcctgt accttggctc 900
194 cctgtcctgc tcccggcttc ccttacccta tcaactggct caggccccgc 950
196 aggtgcctc ttcccaacct ccttgggaagt acccctgttt cttaacaat 1000
198 tatttaagtg tacgtgtatt attaaactga tgaacacatc cccaaaa 1047
200 <210> SEQ ID NO: 5
201 <211> LENGTH: 830
202 <212> TYPE: DNA
203 <213> ORGANISM: Homo sapiens
205 <220> FEATURE:
206 <221> NAME/KEY: unsure
207 <222> LOCATION: 105-115
208 <223> OTHER INFORMATION: unknown base
210 <400> SEQUENCE: 5
211 ggcagcaggg accaagagag gcacgcttgc ctttttatga catcagagct 50
213 cctggttctt gctccttggg actctgggac ttacaccagt ggcacccctg 100
215 gctcnnnnnn nnnnnaattc ggtacgaggc tggggttcag gcgggcagca 150
217 gctgcaggct gaccttgag cttggcggaa tggactggcc tcacaacctg 200
219 ctgtttcttc ttaccatttc catcttctct gggctggggc agcccaggag 250
221 ccccaaaagc aagaggaagg ggcaaggcg gcctggggcc ctggtcctct 300
223 gccctacca ggtgccactg gacctggtgt cacggatgaa accgtatgcc 350
225 cgcatggagg agtatgagag gaacatcgag gagatgttgg ccagctgag 400
227 gaacagttca gagctggccc agagaaagtg tgaggtaaac ttgcagctgt 450
229 ggatgtccaa caagaggagc ctgtctccct ggggctacag catcaaccac 500
231 gaccccagcc gtatccccgt ggacctccgg aggcacggtg cctgtgtctg 550
233 ggcttgtgtg aaccccttca ccatgcagga ggaccgcagc atggtgagcg 600
235 tgccggtgtt cagccaggtt cctgtgcgcc gccgcctctg cccgccaccg 650

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237 ccccgacacag ggccttgccg ccagcgcgca gtcattggaga ccatcgctgt 700
239 gggctgcacc tgcattttct gaatcgacct ggcccagaag ccaggccagc 750
241 agcccgagac catcctcctt gcacctttgt gccaagaaag gcctatgaaa 800
243 agtaaacact gacttttgaa agcaaaaaaa 830

245 <210> SEQ ID NO: 6

246 <211> LENGTH: 397

247 <212> TYPE: DNA

248 <213> ORGANISM: Homo sapiens

250 <220> FEATURE:

251 <221> NAME/KEY: unsure

252 <222> LOCATION: 10, 150, 267

253 <223> OTHER INFORMATION: unknown base

255 <400> SEQUENCE: 6

W--> 256 aggcgggcan agctgcaggc tgaccttgca gcttggcgga atggactggc 50

W--> 258 ctcacaacct gctgtttctt cttaccattt ccatcttctt ggggctgggc 100

W--> 260 agccaggagc cccaaaagca agaggaaggg gcaagggcgg cctgggccc 150

262 tggcctggcc tcaccaggtg ccaactggacc tgggtgtcacg gatgaaaccg 200

264 tatgcccgca tggaggagta tgagaggaac atcgaggaga tgggtggcca 250

W--> 266 gctgaggaac agctcanaag ctggcccaga gaaagtgtga ggtcaacttg 300

268 cagctgtgga tgtccaacaa gaaggagcct gtctcccttg gggctacaag 350

270 catcaaccac cgaccccgac cgtatccccg tgggaccttg ccgggac 397

272 <210> SEQ ID NO: 7

273 <211> LENGTH: 230

274 <212> TYPE: DNA

275 <213> ORGANISM: Homo sapiens

277 <400> SEQUENCE: 7

278 caccgatgag gaccgctatc cacagaagct ggccttcgcc gaggtcctgt 50

280 gcagaggctg tatcgatgca cggacgggcc gcgagacagc tgcgctcaac 100

282 tccgtgcggc tgctccagag cctgctgggtg ctgcgcgccg ggcctgtctc 150

284 ccgcgacggc tcggggctcc ccacacctgg ggcctttgcc ttccacaccg 200

286 agttcatcca cgtccccgtc ggtgcacct 230

288 <210> SEQ ID NO: 8

289 <211> LENGTH: 24

290 <212> TYPE: DNA

291 <213> ORGANISM: Artificial sequence

293 <220> FEATURE:

294 <223> OTHER INFORMATION: Forward PCR primer

296 <400> SEQUENCE: 8

297 atccacagaa gctggccttc gccg 24

299 <210> SEQ ID NO: 9

300 <211> LENGTH: 24

301 <212> TYPE: DNA

302 <213> ORGANISM: Artificial sequence

304 <220> FEATURE:

305 <223> OTHER INFORMATION: reverse PCR primer

307 <400> SEQUENCE: 9

308 gggacgtgga tgaactcggg gtgg 24

310 <210> SEQ ID NO: 10

311 <211> LENGTH: 40

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Input Set : A:\P1381R1C2_Sequence_Listing.wpd

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312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: hybridization probe
318 <400> SEQUENCE: 10
319 tatccacaga agctggcctt cgccgagtgct ctgtgcagag 40
321 <210> SEQ ID NO: 11
322 <211> LENGTH: 155
323 <212> TYPE: PRT
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 11
327 Met Thr Pro Gly Lys Thr Ser Leu Val Ser Leu Leu Leu Leu Leu
328 1 5 10 15
330 Ser Leu Glu Ala Ile Val Lys Ala Gly Ile Thr Ile Pro Arg Asn
331 20 25 30
333 Pro Gly Cys Pro Asn Ser Glu Asp Lys Asn Phe Pro Arg Thr Val
334 35 40 45
336 Met Val Asn Leu Asn Ile His Asn Arg Asn Thr Asn Thr Asn Pro
337 50 55 60
339 Lys Arg Ser Ser Asp Tyr Tyr Asn Arg Ser Thr Ser Pro Trp Asn
340 65 70 75
342 Leu His Arg Asn Glu Asp Pro Glu Arg Tyr Pro Ser Val Ile Trp
343 80 85 90
345 Glu Ala Lys Cys Arg His Leu Gly Cys Ile Asn Ala Asp Gly Asn
346 95 100 105
348 Val Asp Tyr His Met Asn Ser Val Pro Ile Gln Gln Glu Ile Leu
349 110 115 120
351 Val Leu Arg Arg Glu Pro Pro His Cys Pro Asn Ser Phe Arg Leu
352 125 130 135
354 Glu Lys Ile Leu Val Ser Val Gly Cys Thr Cys Val Thr Pro Ile
355 140 145 150
357 Val His His Val Ala
358 155
360 <210> SEQ ID NO: 12
361 <211> LENGTH: 408
362 <212> TYPE: PRT
363 <213> ORGANISM: Artificial Sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: IL17B-Fc fusion
368 <400> SEQUENCE: 12
369 Met Asp Trp Pro His Asn Leu Leu Phe Leu Leu Thr Ile Ser Ile
370 1 5 10 15
372 Phe Leu Gly Leu Gly Gln Pro Arg Ser Pro Lys Ser Lys Arg Lys
373 20 25 30
375 Gly Gln Gly Arg Pro Gly Pro Leu Ala Pro Gly Pro His Gln Val
376 35 40 45
378 Pro Leu Asp Leu Val Ser Arg Met Lys Pro Tyr Ala Arg Met Glu
379 50 55 60
381 Glu Tyr Glu Arg Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,280

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Input Set : A:\P1381R1C2_Sequence_Listing.wpd

Output Set: N:\CRF3\07172001\I854280.raw

L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6